



Data Sheet



Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
835-IF38.9M-E	35.0 x 12.8 Thru Hole	Base Station & Repeater	Jan. 01, 2007

TYPE :

38.9 MHz Bandpass Filter

PART NUMBER :

835-IF38.9M-E

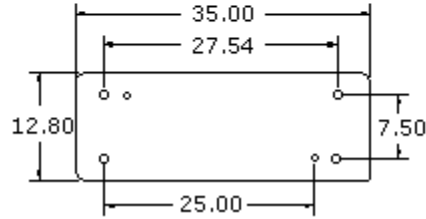
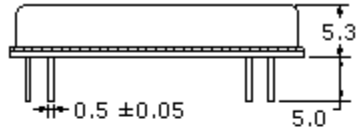
OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency (Fo)	-	38.9	-	MHz
Insertion Loss at Fo	-	27.5	30.0	dB
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Temperature Coefficient	-	-	94	ppm/°C
Amplitude Ripple (34.2~39.4 MHz)	-	0.5	1.0	dBp-p
Relative Attenuation (relative to Fo)	-			
33.40 MHz	42	48	-	dB
34.00 MHz	-0.5	0.1	1.0	dB
34.10 MHz	-0.5	0.1	0.6	dB
39.65 MHz	0.5	1.0	1.5	dB
25.00 MHz~ 32.00 MHz	50	58	-	dB
32.00 MHz~ 32.65 MHz	48	58	-	dB
32.65 MHz~ 33.30 MHz	45	55	-	dB
40.15 MHz~ 41.20 MHz	45	54	-	dB
41.20 MHz~ 45.00 MHz	48	55	-	dB
Reflected wave signal suppression	50	58	-	dB
Group Delay Variation (p-p); smo 1%	-	48	60	ns
Absolute Delay at Fo	-	4.15	4.3	µs

* with Matching Network (Ref. Testing Environment Circuit as shown below). Those impedances could be modified with different impedances values and/or structures, if necessary.

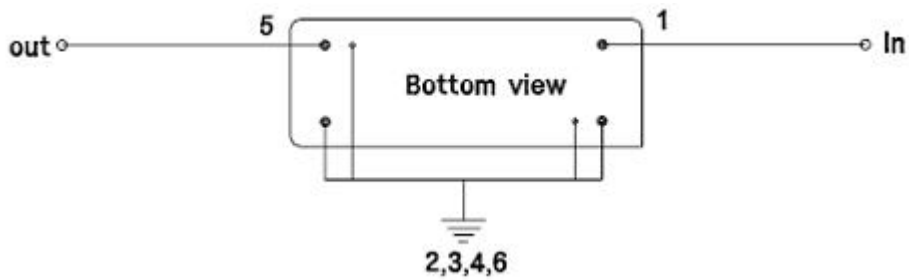
** Custom SAW IF Filters available. Contact Oscilent for assistance.

PACKAGE OUTLINE (mm)



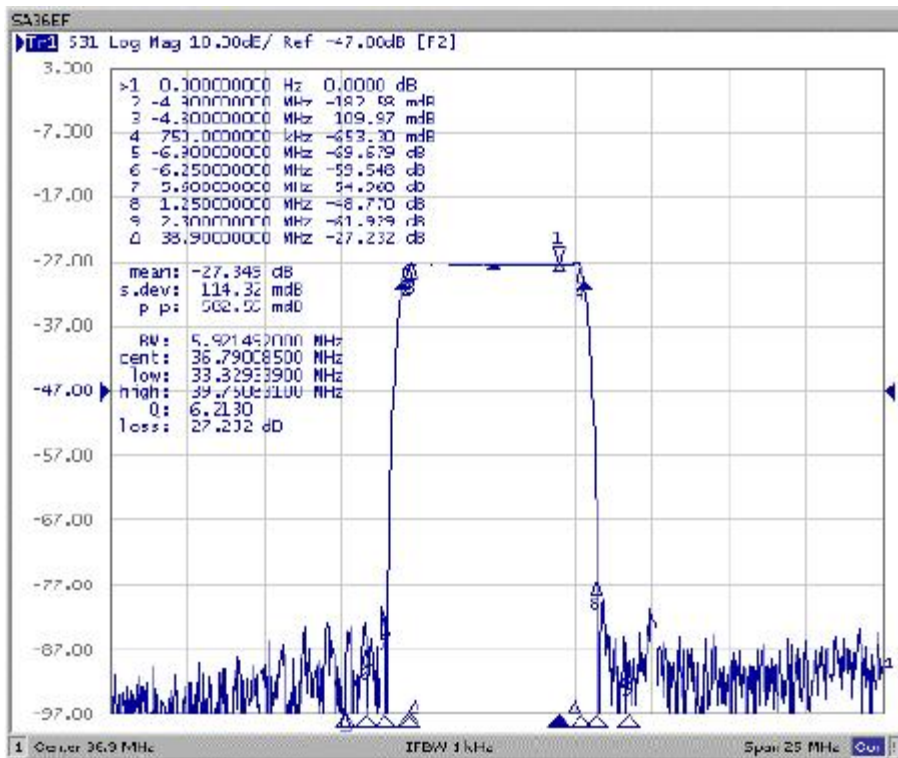
PIN Descriptions: IN-1, OUT 5, GROUND -2,3,4,6,Case, Index- Left bottom of Marking

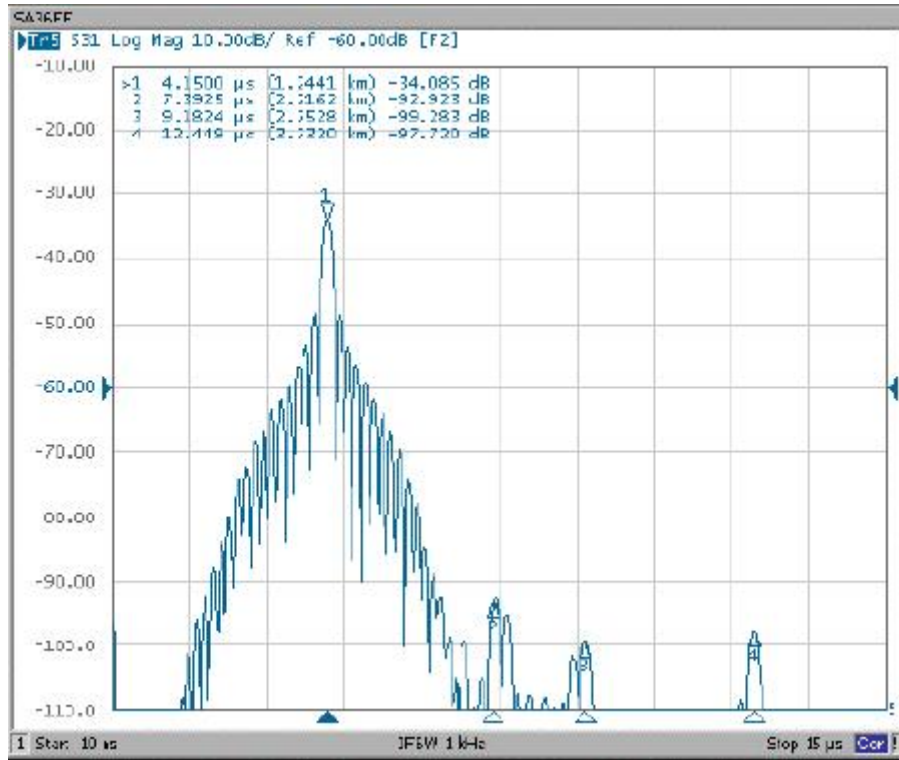
TEST ENVIRONMENT



Source & Load Impedance: 50 ohm

FREQUENCY RESPONSE





Oscilent Corporation - CALL **949.252.0522**

Part No.: 835-IF38.9M-E

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